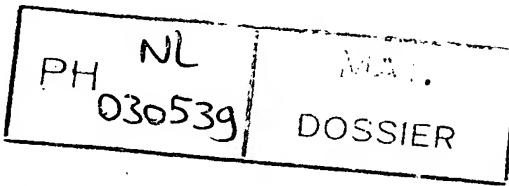


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APPLICANT : PIONEER ELECTRONIC CORP;

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TITLE : TILT SERVO APPARATUS AND CONTROL METHOD

ABSTRACT : PROBLEM TO BE SOLVED: To highly accurately operate at high speed irrespective of a size of tilt errors and a change of an environment temperature by changing a correction value of a tilt error-correcting means by a first correction width, thereby obtaining a detection signal intensity, comparing a change amount of the detection signal intensity with a predetermined change amount, and changing the first correction width.

SOLUTION: An RF amplitude intensity is taken and a tilt angle is increased by one STEP from the present value. After the tilt angle is changed, the RF amplitude intensity is taken and whether or not an increase is not smaller than zero is judged. When the increase is smaller than zero, the tilt is in a direction out of a peak of an RF amplitude intensity curve and a tilt optimum value, and therefore a correction direction for the tilt angle is reversed. When the increase is zero or larger and if the increase is smaller than a predetermined small value, the tilt is judged to reach an optimum value and the control is returned to a main. When the increase is not smaller than the predetermined small value and smaller than a predetermined value, the tilt angle is increased by two STEPs. If the increase exceeds the predetermined value, the tilt angle is increased by four STEPs.

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